

**2006 Summer Research Positions
Givens Associates
Argonne National Laboratory
Mathematics and Computer Science Division**

The Mathematics and Computer Science (MCS) Division at Argonne National Laboratory is developing innovative techniques in numerical computing and computational mathematics. The Givens Associate positions are intended to encourage graduate students who are beginning careers in numerical analysis or computational mathematics. Candidates must be in an accredited Ph.D. program in mathematics, applied mathematics, computer science, or a related field at a U.S. university. Givens Associates will work actively with MCS scientists designing, analyzing, and implementing numerical and visualization methods.

The MCS Division has strong programs in software tools and in numerical methods for automatic differentiation, optimization, partial differential equations, and linear algebra. Internationally recognized for innovative research in high-performance computing, the MCS Division supports an excellent computational environment that includes access to a Linux cluster, a scientific visualization laboratory, and a distributed computing laboratory. For further information, see www.mcs.anl.gov/LANS.

Argonne is located in the southwestern Chicago suburbs, offering the advantages of affordable housing, good schools, and easy access to the cultural attractions of the city.

During the appointment period, participants receive a stipend of \$3700 to \$4000 per month, depending on experience level. Please be advised that federal/state income taxes will be withheld from the stipend and the stipend amount includes funding to pay for lodging costs. Transportation expenses are reimbursed for one round-trip between the Laboratory and the participant's home or university for round-trip distances greater than 100 miles is also included. If travel is via personal auto, reimbursement cannot exceed the total for coach-class airfare.

The first step in the application procedure is your current resumé as a .PDF file along with the names and addresses of three persons willing to write letters of reference to Ms. Lisa Reed, Division of Educational Programs, Argonne National Laboratory, 9700 S. Cass Avenue, Argonne, IL 60439 (Lreed@dep.anl.gov). This material must be received at Argonne by February 3, 2006.

Approximately six appointments will be made for 10 to 12 summer weeks and may be renewed for a second summer.